	(OILES)					
FORM PTO-1	149 JAN 8 2005 2		Docket Number (6 2080-3-		Application I	Number
INFO	DRMATION DISCLOSURE CI	TATION	Applicant	Woo Seong	Yoon, et al.	
	(Use several sheets if necessary,	)	Filing Date December	4, 2003	Group Art Ur	nit
		U.S. PATENT	DOCUMENTS			
EXAMINER 'INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE II APPROPRIATE
	US 5,687,160	11/11/1997				12/12/1994
				<u> </u>		
					l	<u> </u>
	, F(	OREIGN PATE	NT DOCUMENT	s		
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	WO 99/059290	11/18/1999	wo	H04L	12/18	
	KR 99/0195106	06/15/1999	KR	G11B	19/02	
	OTHER DOCUMEN	TS (including Au	thor, Title, Date, Per	tinent Pages,	Etc.)	

FORM PTO-1	449 JAN 8 1 2005 23		Docket Number (C 2080-3-1	ptional) 192	Application N	lumber
INFO	ORMATION DISCLOSURE CITA	TION	Applicant	Woo Seong	Yoon, et al.	
	(Use several sheets if necessary)		Filing Date December 4	1, 2003	Group Art Ur	it
	· · · · · · · · · · · · · · · · · · ·	J.S. PATENT	DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/H.D./	US 5,687,160	11/11/1997				12/12/1994
•						
	l	<u> </u>				
	FO	REIGN PATE	ENT DOCUMENTS	3		
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	WO-99/059298	11/10/1993	wo	H04L	12/18	
/H.D./	KR 99/9195196 10-0195106	06/15/1999	KR	G11B	19/02	

PF. DisSilve (i.e., p. 1975). Proceed for use through 0831/2006. 088 0881-0931. U.S. Patent and Trademark (filter, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information University Commerce (i.e., p. 1995). The process of the Commerce (i.e., p. 1995). Th

Complete If Known Substitute for form 1449/PTO Application Number 10/729,083-Conf. #8790 INFORMATION DISCLOSURE Filing Date December 4, 2003 STATEMENT BY APPLICANT First Named Inventor Woo YOON 2623 Art Unit (Use as many sheets as necessary) Examiner Name C. S. Kelley Sheet of Attorney Docket Number 1630-0410PUS1 1 2

			U.S. PA	TENT DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code <sup>2</sup> ( if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	AA*	US-2001/0056580- A1	12-27-2001	Seo et al.	
	AB*	US-2002/0049981- A1	04-25-2002	Tzou	
	AC*	US-7,127,736-B2	10-24-2006	Kondo et al.	
	AD*	US-6,654,769-B2	11-25-2003	Ito et al.	
	AE*	US-2006/0031188- A1	02-09-2006	Lara et al.	
	AF*	US-2002/0112247- A1	08-15-2002	Horner et al.	
	AG*	US-2006/0242161- A1	10-26-2006	Ten Kate et al.	
	AH*	US-2002/0103855- A1	08-01-2002	Chatani	
	Al*	US-2003/0161615- A1	08-28-2008	Tsumagari et al.	
	AJ*	US-2003/0028892- A1	02-06-2003	Gewickey	1
	AK*	US-5,929,857-A	07-27-1999	Horner et al.	<u> </u>
		1			

FOREIGN PATENT DOCUMENTS							
Examiner Cite		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	т•	
Initials* No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (# known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	12		
	BA	EP-0 737 009-A2	10-09-1996				
	ВВ	EP-0 762 422-A2	03-12-1997				
	вс	JP-10-136314-A	05-22-1998			ABS	
	BD	JP-11-98467-A	04-09-1999			ABS	
	BE	EP-1 229 542-A2	08-07-2002				
	BF	EP-1 193 712-A2	04-03-2002				

Examiner	Date	
Signature	Considered	

"EVAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicate." CHER NOT. Those application(s) which are marked with an stript assistant (f) next to the GRee has are that supplied (under 20°CTR 1.986/x/20°M) accessed that application was lited after law and 3,000 or a se valuable in the RY. "Applicant's unique citation designation number (orbitamis)." See Novice Code of USEP 070 Interest Documents at warpage 100 200 or a sevalable in the RY. "Applicant's unique citation designation number (orbitamis)." See Novice Code of USEP 070 Interest Documents are supplied to the Part of the Part of Clinic Intel Stude to document, by the work documents, the part of the part of the Part of Intel Part of Clinic Intel Stude to precede its exist number of the part of the part

Approved for use through 10.0112008.008 (09-08)
Approved for use through 10.0112008.008 008 0051001
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless to collection a valid CMA recentar to avail contain to avail avail contain to avail av

Su	bstitute for form 1449A/PTO			Complete if Known		
				Application Number	10/729,083-Conf. #8790	
	NFORMATION	1 DIS	CLOSURE	Filing Date	December 4, 2003	
S	TATEMENT E	BY A	PPLICANT	First Named Inventor	Woo YOON	
ĺ				Art Unit	2623	
Ĺ	(Use as many sheets as necessary)			Examiner Name	Kelley, Christopher S.	
Sheet	1	of	1	Attorney Docket Number	1630-0410PUS1	

			U.S. PAT	ENT DOCUMENTS	
Examiner Cit		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code <sup>2</sup> ( if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	AA*	US-2002/0147827-A1	10-10-2002	Breiter et al.	
	AB*	US-2002/0078144-A1	06-20-2002	Lamkin et al.	
	AC*	US-5,995,091-A	11-30-1999	Near et al.	
	AD*	US-6,161,132-A	12-12-2000	Roberts et al.	

	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	Г			
Initials*	No.1	Country Code <sup>5</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (f Innown)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	T°			
	BA	WO-2004/051644-A1	06-17-2004			_			
	BB	WO-02/50744-A2	06-27-2002			г			
	вс	WO-00/63915-A1	10-26-2000			г			
	1	i .				$\overline{}$			

Examiner	Date
Signature	Considered
	Considered

"EXAMINE: Initial inference considered, whether or not challen is a conference rails MEEP 800. Date too though clades if not in ordinances and not considered. Protein dury of this form with most communication to special. If CTR 10.0 (1), These applications were five during most on the CTR 1.0 (1), (2)(2)(3)) because that application was filed after Jure 93, 2003 or is available in the SYN. "Applicants" was a local feeding another (protein). "See Points Codes or UEPTO Flates December at traversition," or MEEP 910.1. If a feet of the CTR 1.0 (1), The CTR 1.0 (1),

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2

Examiner Date Signature Considered			
	Examiner	Date	
			ed

\*EXAMINER: Initial if reference considered, whether or not citation is in conficonsidered. Include copy of this form with next communication to applicant. rmance with MPEP 609. Draw line through citation if not in conformance end not

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PT/SSB016, 06-39,
Approved for use through 07/31/2006, 080 088-06301
U.S. Patient and Taddemark Officer U.S. DEPARTMENT OF COMMERCE
Under the Papervork Reduction Act of 1996, no persons are required to respond to a collection of Information unities at constains a valid office confort

Sut	ostitute for form 1449/PTO			Complete if Known		
				Application Number	10/729,083-Conf. #8790	
l IN	NFORMATION	N DI	SCLOSURE	Filing Date	December 4, 2003	
S	STATEMENT BY APPLICANT			First Named Inventor	Woo YOON	
l				Art Unit	2621	
	(Use as many sheets as necessary)		Examiner Name	H. Q. Dang		
Sheet	1	of	2	Attorney Docket Number	1630-0410PUS1	

	U.S. PATENT DOCUMENTS								
Examiner initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
	AA*	US-2002/0037159-A1	03-28-2002	Goto et al.					
	AB*	US-5,808,662	09-15-1998	Kinney et al.					
	AC*	US-5,815,194	09-29-1998	Ueda					
	AD*	US-5,909,551	06-01-1999	Tahara et al.					
	AE*	US-5,987,525	11-16-1999	Roberts et al.					
	AF*	US-6,061,680	05-09-2000	Scherf et al.					
	AG*	US-6,130,988	10-10-2000	Jeong					
	AH*	US-6,138,175	10-24-2000	deCarmo					
	AI*	US-6,162,132	12-19-2000	Yoneyama					
	AJ*	US-6,230,207-B1	05-08-2001	Roberts et al.					
	AK*	US-6,240,459-B1	05-29-2001	Roberts et al.					
	AL*	US-6,564,255-B1	05-13-2003	Mobini et al.					
	AM*	US-6,735,152-B2	05-11-2004	Sato et al.					
	AN*	US-6,957,387-B2	10-18-2005	Barbieri					
	AO*	US-7,188,193-B1	03-06-2007	Getsin et al.					
	AP*	US-7,197,234-B1	03-27-2007	Chatterton					
	AQ*	US-7,313,809-B1	12-25-2007	Mohan et al.					
	AR*	US-7,392,481-B2	06-24-2008	Gewickey et al.					
	AS*	US-7,448,021-B1	11-04-2008	Lamkin et al.					
	AT*	US-7,451,453-B1	11-11-2008	Evans et al.					
	AU*	US-2002/0106193-A1	08-08-2002	Park et al.					
	AV*		09-05-2002	Fukuda et al.					
	AW*		10-17-2002	Peddu et al.					
	AX*		01-23-2003	Chung et al.					
	AY*	US-2003/0039187-A1	02-27-2003	Geutskens					
	AZ*		12-11-2003	Yoo et al.					
	BA*	US-2004/0057699-A1	03-25-2004	Kim et al.					
	BB*			Chou et al.					
	BC*	US-2004/0133661-A1		Yoon et al.					
			12-09-2004	Yamasaki					
	BE*		04-21-2005	Beker					
	BF*		06-02-2005	Min et al.					
			09-22-2005	Chiu et al.	ļ				
		US-2006/0117344-A1		Lamkin et al.					
			06-29-2006	Chatani					
	BJ*	US-2007/0122117-A1		Kimura					
				Mohan et al.					
	BL*			Mohan et al.	1				

Sul	ostitute for form 1449/PTO			Complete if Known		
				Application Number	10/729,083-Conf. #8790	
11	NFORMATION	1 DI	SCLOSURE	Filing Date	December 4, 2003	
STATEMENT BY APPLICANT			APPLICANT	First Named Inventor	Woo YOON	
				Art Unit	2621	
(Use as many sheets as necessary)			s necessary)	Examiner Name	H. Q. Dang	
Sheet	eet 2 of 2		Attorney Docket Number	1630-0410PUS1		

		FOREI	GN PATENT	DOCUMENTS		_
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>8</sup> -Number <sup>4</sup> -Kind Code <sup>8</sup> (If Issown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
	BA	EP-0737009-B1	10-09-1996	Tokyo Shibaura Electric Co	- Control of the cont	Н
	BB	EP-1003304-A1	05-24-2000	Sony Corp		Н
	BC	JP-11271071-A	10-05-1999	Sony Corp		Н
	BD	KR-20020059706-A	07-13-2002	Koninkl Philips Electronics N.V.		П
	BE	KR-20040049740-A	06-12-2004	Lg Electronics Inc.		Н
	BF	WO-99/59290-A1	11-18-1999	Sony Corp et al.		Н
	BG	WO-00/063915-A1	10-26-2000	Spruce Technologies, Inc.		Н
	BH	WO-02/50744-A2	06-27-2002	Apple Computer, Inc.		Н
	ВІ	WO-2004/036575-A1	04-29-2004	Samsung Electronics Co., Ltd.		П
		WO-2004/036576-A1	04-29-2004	Samsung Electronics Co., Ltd.		П
	BK	WO-2004/051644-A1	06-17-2004	Lg Electronics Inc.		Н
	BL	WO-02/21529-A1	03-14-2002	Koninkl Philips Electronics N.v.		П

Complete		
Examiner	Date	
Signature	Date	
e g matero	Considered	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), published; city and/or country where published.	T²
L			

Examiner	
	Date
Signature	
Ogniture	Considered

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not classion is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Approved for usa through 07/31/2012. OMB 0651-0031
U.S. Patant and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	for form 1449A/PTO			Complete if Known			
				Application Number	10/729,083		
	RMATION I			Filing Date	12-04-03		
STAT	EMENT BY	'AP	PLICANT	First Named Inventor	Seung Hoon Lee		
				Art Unit	2484		
	(Use as many sheet	s as ne	cessary)	Examiner Name	Hung Q. Dang		
Sheet	1	of	1	Attorney Docket Number	1630-0410PUS1		

U.S. PATENT DOCUMENTS								
Examinar initial *	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or	Pagas, columns, Lines, Where			
musi	No.	Number - Kind Code <sup>2</sup> (if known)		Applicant of Cited Document	Pagas, columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	1	US-2002/0080753 - A1	01-27-2002	Lee				
	2	US-6,580,870 - B1	06-17-2003	Kanazawa et al.				
	_							
	_							
		***************************************						
	-							
	_							
	-		<del> </del>					
	├							
	├							
	├		<b></b>					
			1	l	!			

FOREIGN PATENT DOCUMENTS								
Examiner Cit	Cite	Foreign Patent Document	Publication Date	Name of Patentes or	Pages, columns, Lines, When	4		
Initial *	No. 1	Country <sup>3</sup>	MM-DD-YYYY	Name of Patentee or Applicant of Cited	Relevant Passages or Relevan	4		
		Country Number Kind Code (if known) Code		Document	Figures Appear			
						I		
						Т		
						Т		
						T		
						т		

Examiner Signature	Date Considered	

\*EQUALISE: Initial Inference considered, whether or not datable is in conformance with MPEP 000. Down ten through clastics if not in conformance and not Considered. Evolution of communications to application. A Applicant is unique clastic neight unique reploating. 2 See ArmSL codes of USPTO pater Documents. at www.usplo.gov or MPEP 001.0.3. Exter Office not be issued the occurrent, by the two-letter code (WIPO Standard ST.3.4. For Applicant Experience paters), applicated processing the communication is an application of the pater document. So, did of document by the appropriate aymbots as indicated on the document under WIPO Standard ST.1.6 if possible. 6. Applicant is to place a check mark here if English language Translation is altitude.

This collection of information is required by 37 CFR 137 and 138. The information is required to detain or retain a boundity to the public which is to the (and by the USFTO to process) or required. Or conferential by a governed by \$1.00.C. 12 and 31.7 CFR 14.7 this content is esterated to leak 26 years to complete, including agharing, pregaring, and submitting the completed application form the USFTO. Then will vary depending spon the individual case. Any comments on the amount of this year required to complete the face made to agrees size for strictly give blowding, should be shortful case. Any comments on the amount of this year required to complete the face made to agrees size for strictly give blowding, should be sent to the Chief Information Officer, U.S. Patrett and Trademick Office, P.O. Stort 1450 Alexandria, V.A. 2231-1449, D.D. NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.
SEND TO: Commission for Patretts, P.O. Stort 1450. Alexandria.